



N42RF P3 ERROR SUMMARY FERRY TO BARBADOS



Flight ID: 080812H

<u>Sensor or system</u>	<u>Number or Name</u>
Inertial	INE1
Accelerometer	ACC1
Temperature Probe	TT1
Dew Point Probe	TDM1X (Buck)
Static Pressure	PSF
Dynamic Pressure	PQF1
Vert. Wind	RA159X
Constants File	n42_hur08v3.adc
Project Directory	/acdata/2008/hur08

Notes:

There were no data gaps. However a lag (~ 3-4 seconds) was observed between the two inertial outputs with INE2 lagging INE1. INE1 was chosen since it best corresponded with the analog output.

There were no liquid water sensors available for the flight.

The APN-159 (RA159X) radar altimeter output displayed erroneous data during the following time frames: 141500Z – 141700Z and 141800Z – 142000Z. The erroneous data was removed using statistical techniques.

Measured dewpoint temperature #1 (EdgeTech)...TDM1...exhibited erroneous data during the following time frames: 132856Z – 133233Z, 133856Z – 134251Z, 134822Z – 135417Z, 143320Z – 143429Z, 145420Z – 145747Z, 152130Z – 152158Z and 183658Z - 185143Z. The erroneous data was removed by substituting TDM3(Maycomm/TDL) output,

TDM1 = TDM3

All other instruments worked optimally during the flight.

	Takeoff 1314Z	Landing 1849Z
Aircraft Static Pressure	1012.3mb	1013.8mb
Corrected Tower Pressure	1012.7mb	NA

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Flt ID: H080812	From: KMCF	To: TBBB
Flt No: 08-050	Blk In: 1901Z	ATA: 1849Z
ETD: 1300Z	Blk Out: 1304Z	ATD: 1314Z
ETE:	Blk Time: 5:57 (6.0)	Flt Time: 5:35 (5.6)
Sponsor Org: EMC EMC (PRX)	Program: HURRICANE	Purpose: FERRY TO BARBADOS

AOC Personnel

AC: GIRIMONTE	Sys Eng:
CP: NELSON	Data Sys: PEEK
Nav: SIEGEL	Radar:
FE: BAST/WADE	GPS/BT: RASCO/BOSKO
FD: DAMIANO	Cld Phys:
Avionics: OLNEY	DARBY

Participating Scientists / Visitors / AOC

Name (Last, First)	Activity on Aircraft	Affiliation
CHU, T.	KU-SCAT	UMASS
MANUS, J.	KU-SCAT	UMASS
McFadden	OBS	AOL

Proposed/Actual Mission Remarks (Recco, Fixes, Storm, PENET, NHOP #) **12Z 15.5 50.8 305/12**
CARRERH called 1425Z to check about XCHAT + ask what alts we will be flying for HRD
 Switched ~~RA~~ ^{GPS} **RA** **GPS** 1519Z
TDM2 1734Z
~~TDM1~~ too warm did not TDM2
 Switched ~~TDM1~~
 1522Z

080/13 SCT 020 1011

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AOCWF2

Flt ID: 080812H Time Off: 1314z Time On: 1849z

	A/C (Take Off)	Wx Station (Take Off)	A/C (Land)	Wx Station (Land)
Pressure	1012.93	29.92 1012.7	1003.8/1009.1	29.83 1010.2

	Number	Data Disposition / Date / Quality
Flt Lvl Tapes	2	
Radar Tapes		
Cloud Physics Tapes		
Video Tapes		
AXBT		
AXCP		
AXCTD		
Dropsondes		

Video

	Forward	Left Side	Right Side	Down	Remarks
Time On					
Time Off					
Rate					

Remarks

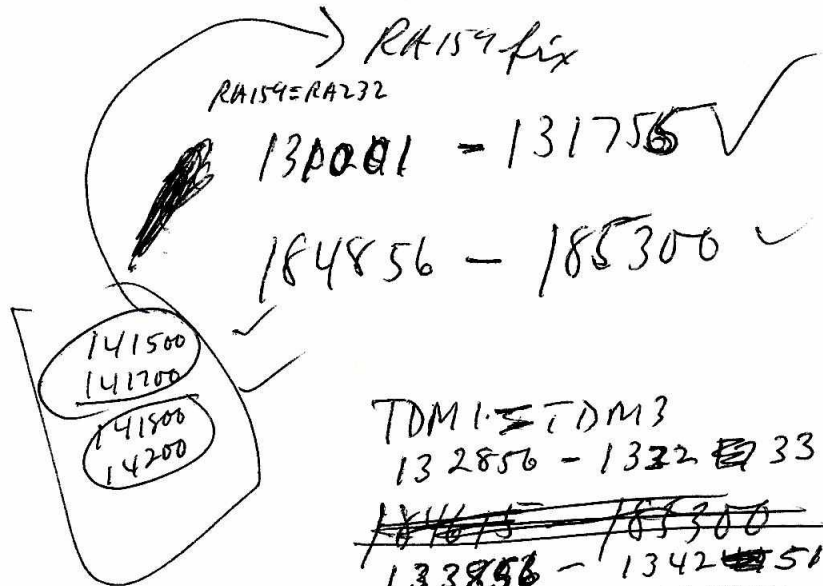
1/1080812

NO Data Gaps

KA
TWEI
ACCI
TTI

~~DD~~ TDM1

PSF
PGFI
RA159



TDM1 - TDM3
132856 - 133233 ✓
~~184615 - 185300~~
133856 - 134251 ✓
183658 ~~183856~~ ~~185300~~ 185143
134822 - 135417 ✓
145420 - 145747 ✓
143320 - 143429 ✓
152130 - 152158 ✓

